

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
 Data File : VD076563.D
 Acq On : 23 Jun 2023 17:33
 Operator : KP/SY
 Sample : 03368-02
 Misc : 6.20G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CF-29

Quant Time: Jun 24 00:56:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

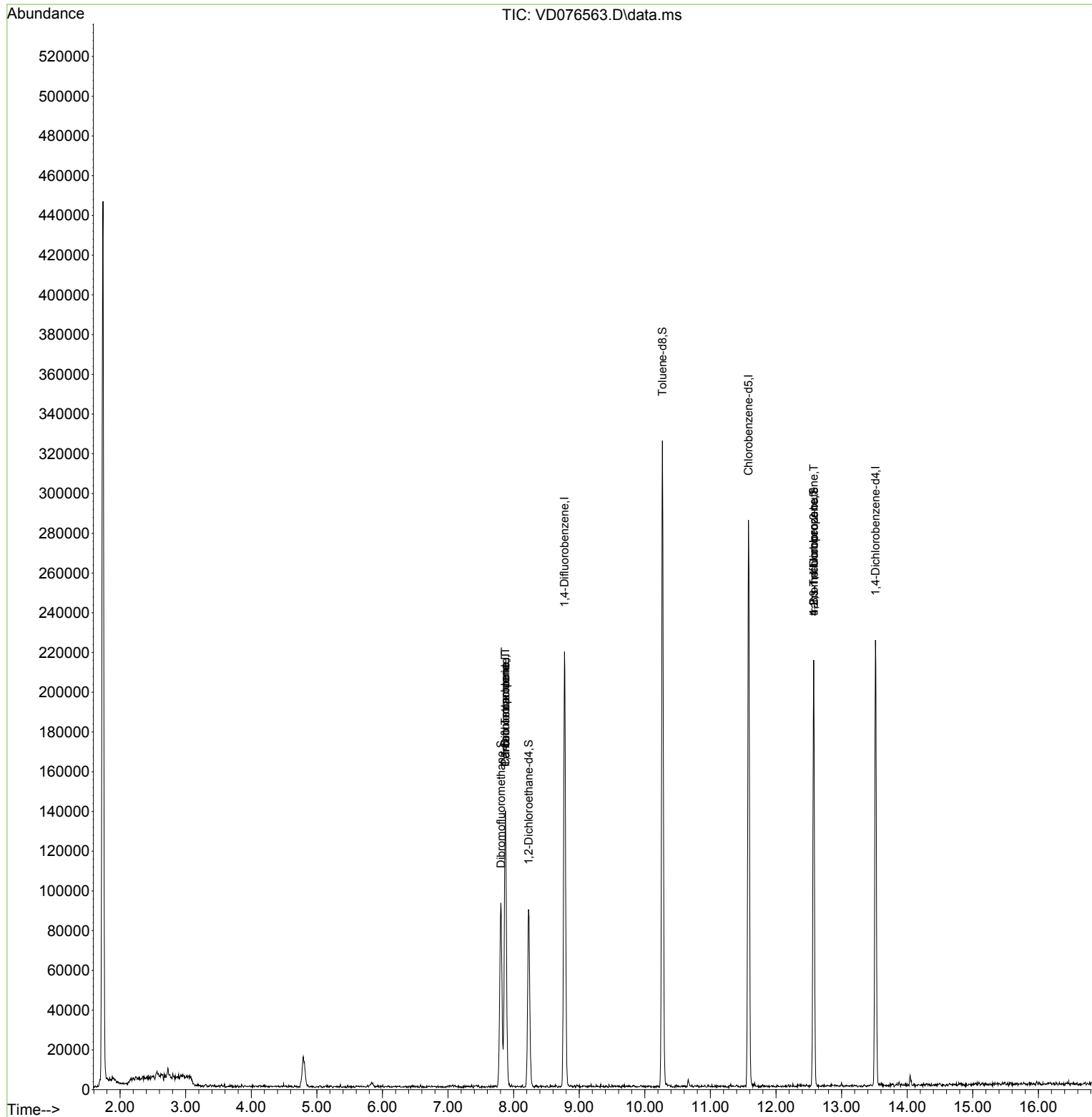
Internal Standards						
1) Pentafluorobenzene	7.875	168	105652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	188755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	158144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	58606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	67779	64.030	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.060%	
35) Dibromofluoromethane	7.810	113	63881	56.969	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.940%	
50) Toluene-d8	10.269	98	218109	51.288	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.580%	
62) 4-Bromofluorobenzene	12.575	95	61057	44.239	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.480%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.787	84	9909	Below Cal	#	74
28) Bromochloromethane	7.287	49	66	Below Cal	#	1
31) Cyclohexane	7.863	56	1282	Below Cal	#	71
36) 1,1-Dichloropropene	7.875	75	9046	5.761	ug/l #	46
38) Carbon Tetrachloride	7.875	117	10491	7.475	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	33872	58.234	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	33872	127.605	ug/l #	17

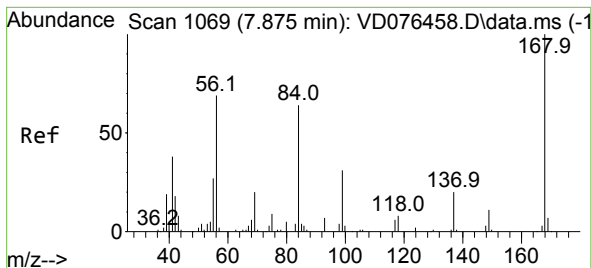
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076563.D

Acq: 23 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

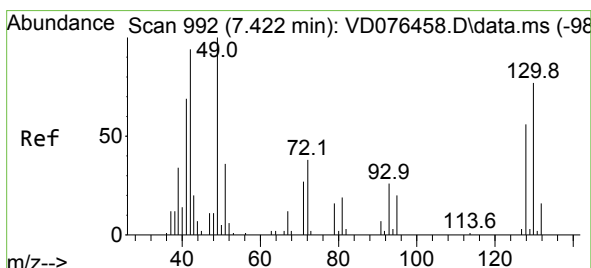
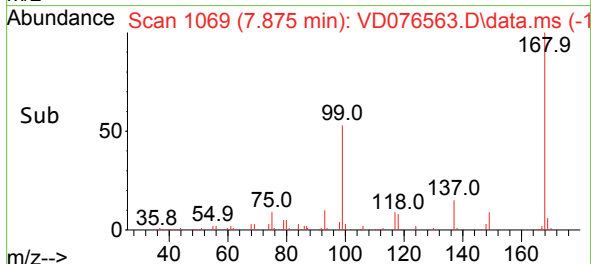
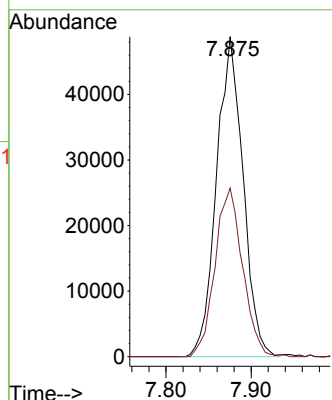
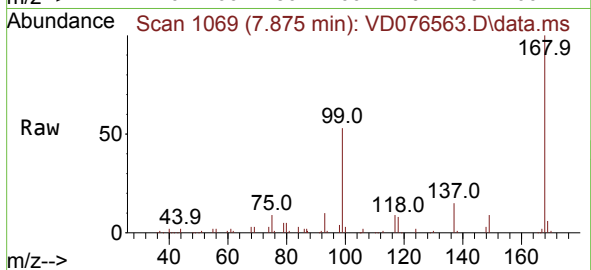
CF-29

Tgt Ion:168 Resp: 105652

Ion Ratio Lower Upper

168 100

99 52.7 36.7 55.1



#28

Bromochloromethane

Concen: Below Cal

RT: 7.287 min Scan# 969

Delta R.T. -0.135 min

Lab File: VD076563.D

Acq: 23 Jun 2023 17:33

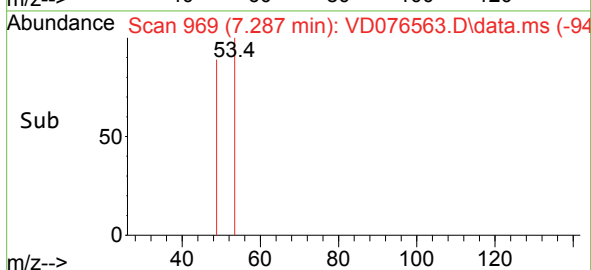
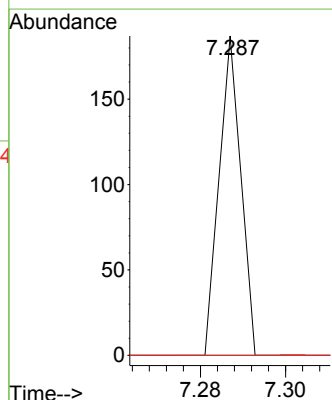
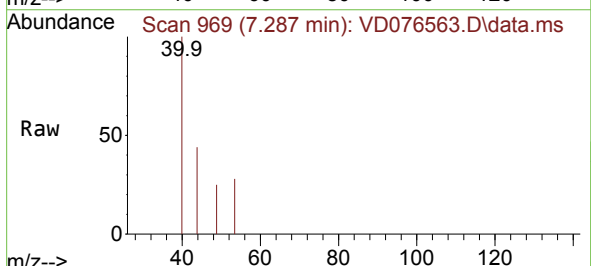
Tgt Ion: 49 Resp: 66

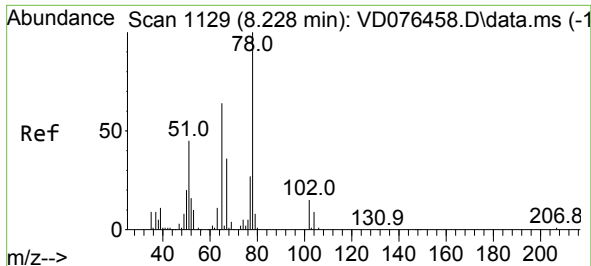
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#33

1,2-Dichloroethane-d4

Concen: 64.030 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076563.D

Acq: 23 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

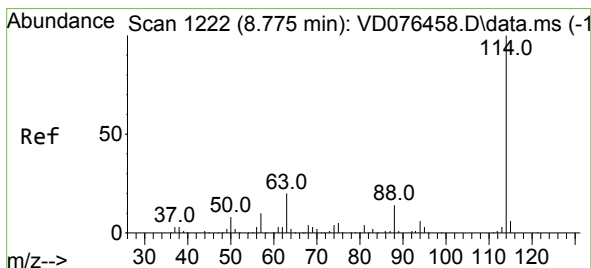
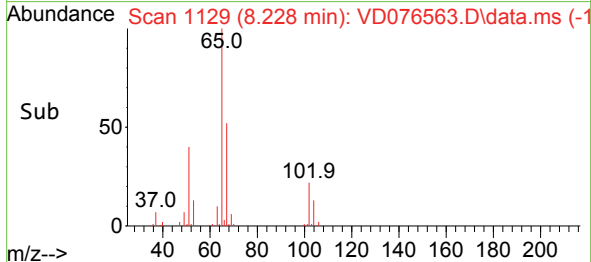
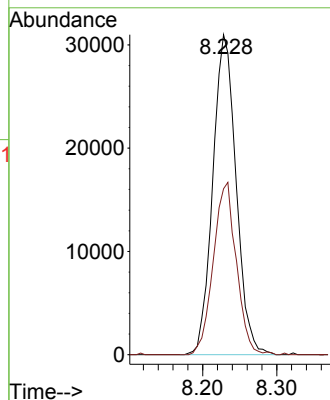
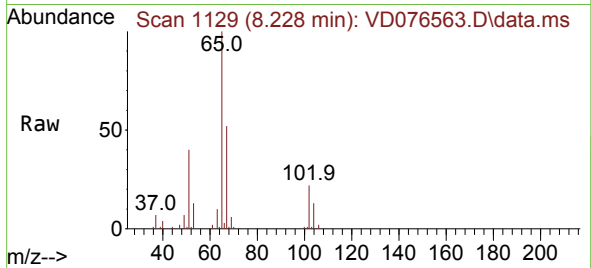
CF-29

Tgt Ion: 65 Resp: 67779

Ion Ratio Lower Upper

65 100

67 53.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076563.D

Acq: 23 Jun 2023 17:33

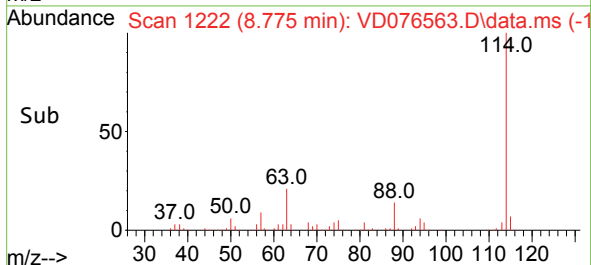
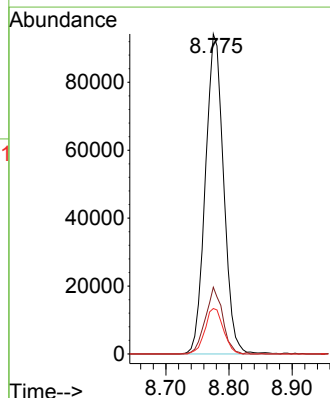
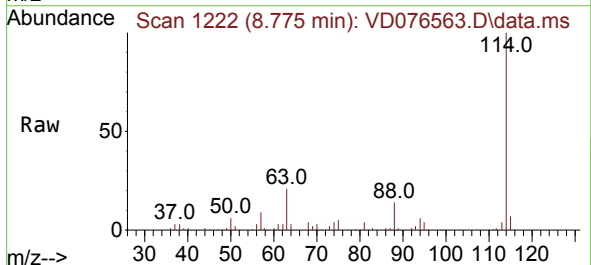
Tgt Ion: 114 Resp: 188755

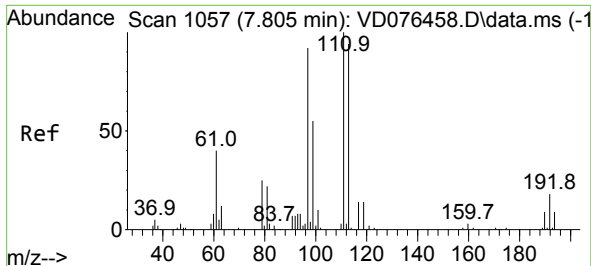
Ion Ratio Lower Upper

114 100

63 20.9 0.0 33.4

88 14.2 0.0 26.2





#35

Dibromofluoromethane

Concen: 56.969 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD076563.D

Acq: 23 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

CF-29

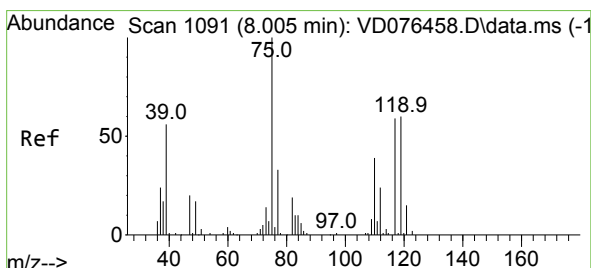
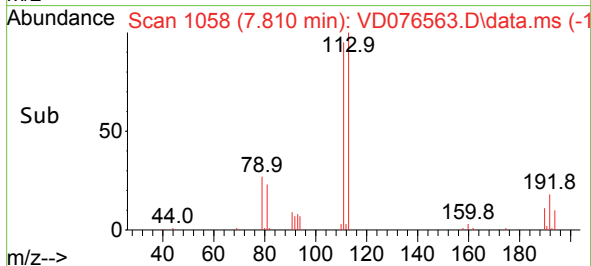
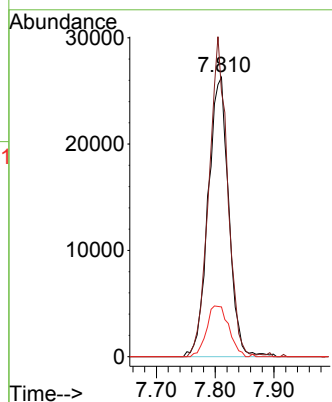
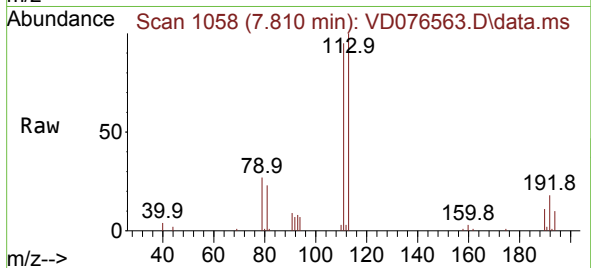
Tgt Ion:113 Resp: 63881

Ion Ratio Lower Upper

113 100

111 104.0 84.7 127.1

192 19.6 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.761 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD076563.D

Acq: 23 Jun 2023 17:33

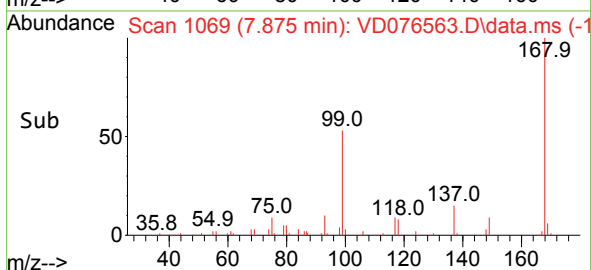
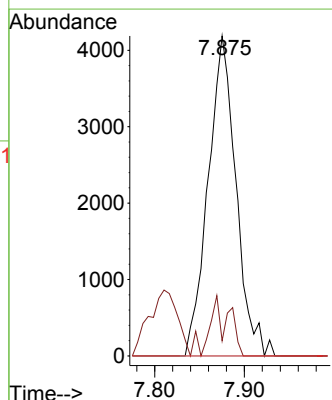
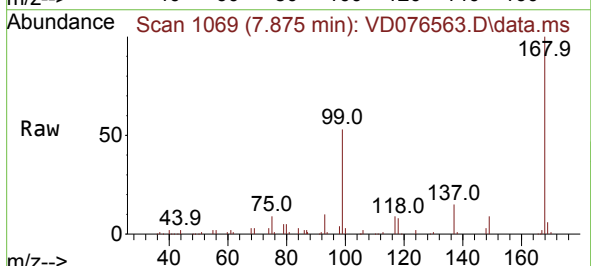
Tgt Ion: 75 Resp: 9046

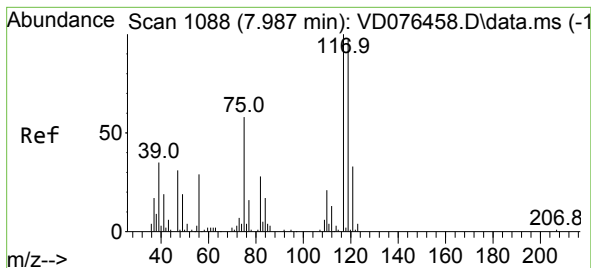
Ion Ratio Lower Upper

75 100

110 7.8 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 7.475 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076563.D

Acq: 23 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

CF-29

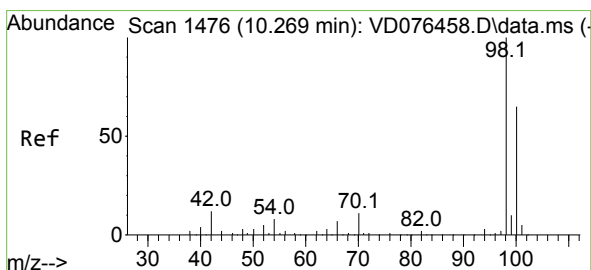
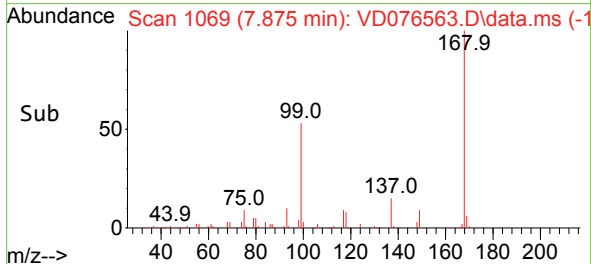
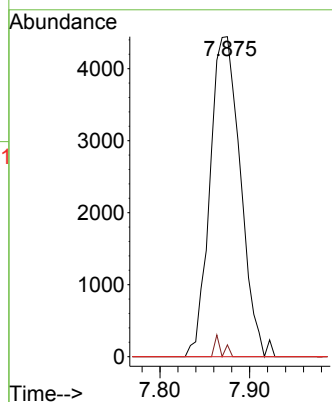
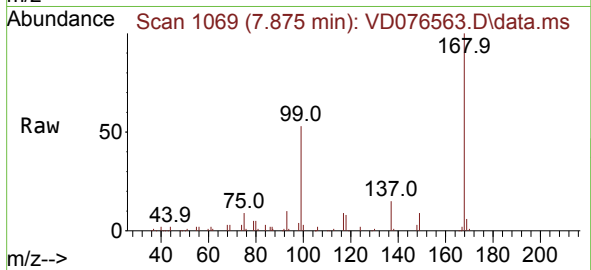
Tgt Ion:117 Resp: 10491

Ion Ratio Lower Upper

117 100

119 3.7 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 51.288 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076563.D

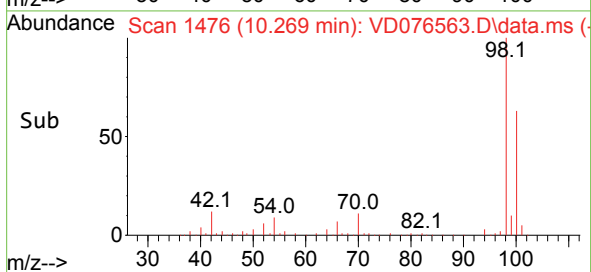
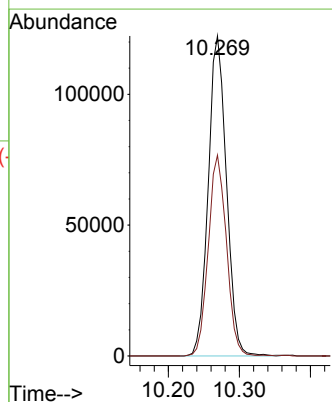
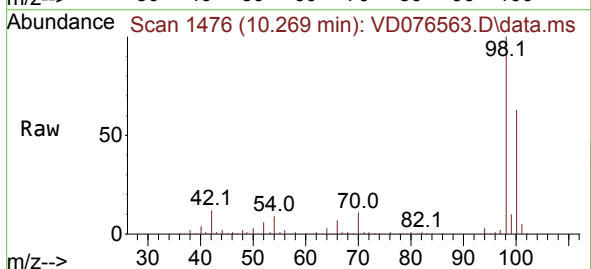
Acq: 23 Jun 2023 17:33

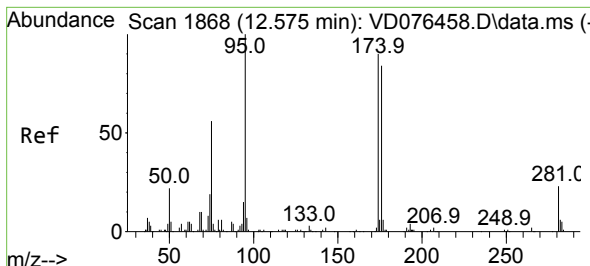
Tgt Ion: 98 Resp: 218109

Ion Ratio Lower Upper

98 100

100 62.6 50.3 75.5

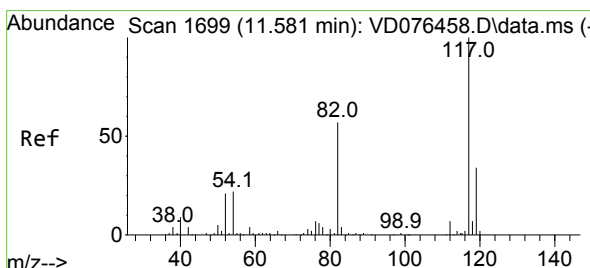
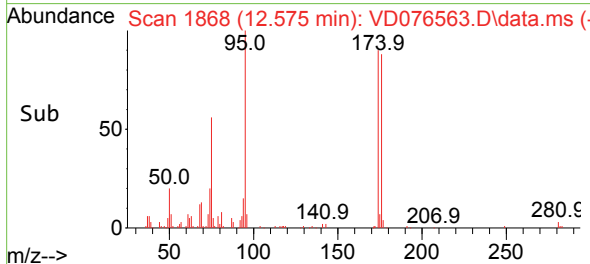
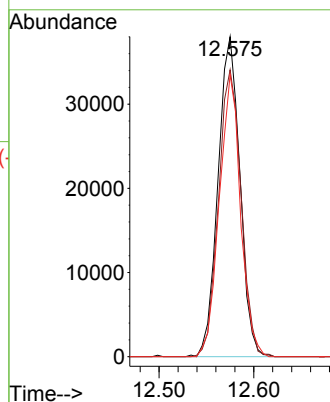
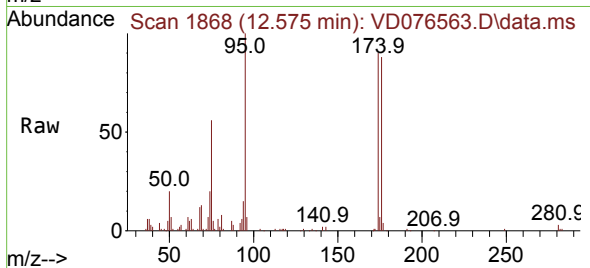




#62
4-Bromofluorobenzene
Concen: 44.239 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076563.D
Acq: 23 Jun 2023 17:33

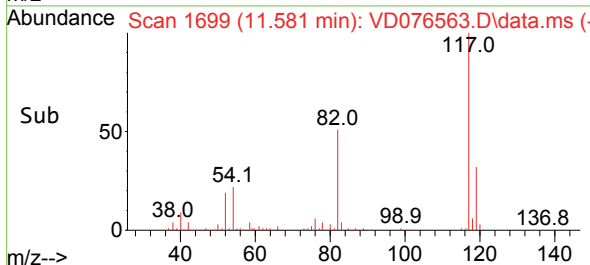
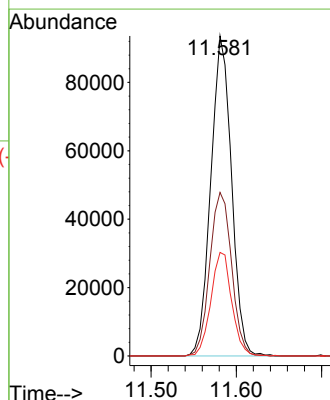
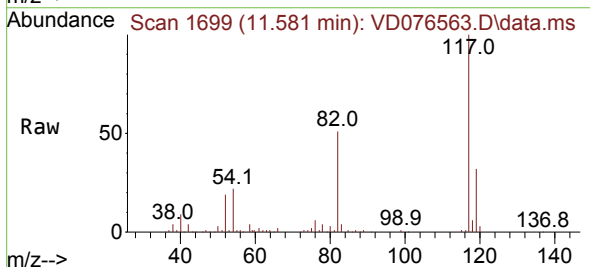
Instrument :
MSVOA_D
ClientSampleId :
CF-29

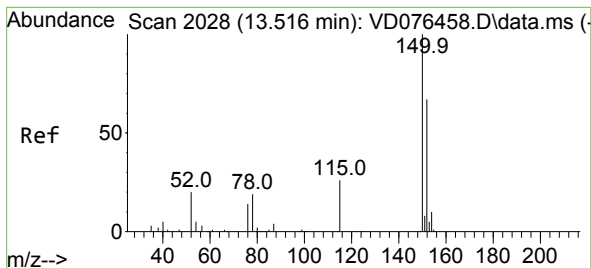
Tgt Ion: 95 Resp: 61057
Ion Ratio Lower Upper
95 100
174 92.6 0.0 201.8
176 85.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076563.D
Acq: 23 Jun 2023 17:33

Tgt Ion: 117 Resp: 158144
Ion Ratio Lower Upper
117 100
82 51.1 38.3 57.5
119 32.3 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD076563.D

Acq: 23 Jun 2023 17:33

Instrument :

MSVOA_D

ClientSampleId :

CF-29

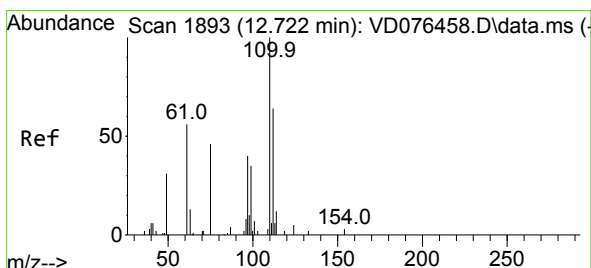
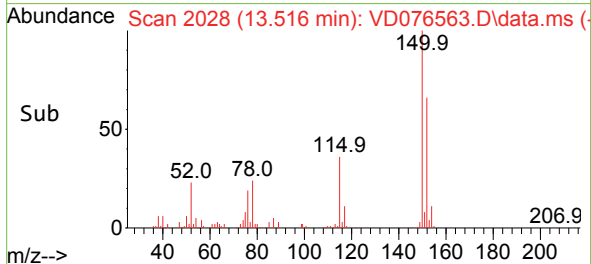
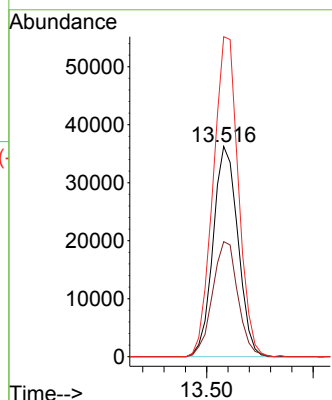
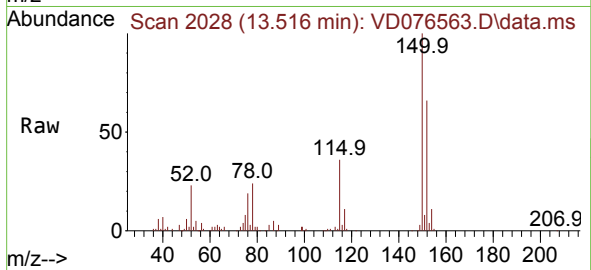
Tgt Ion:152 Resp: 58606

Ion Ratio Lower Upper

152 100

115 55.9 27.1 81.3

150 154.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 58.234 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076563.D

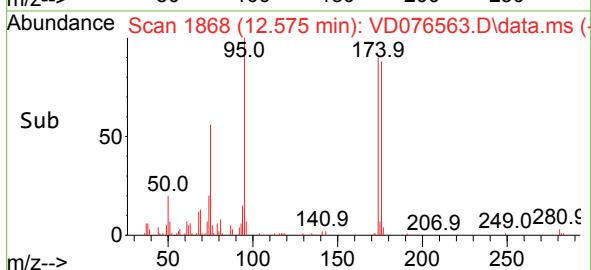
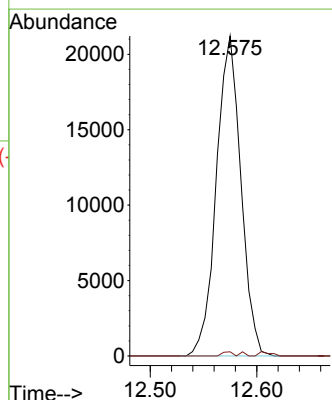
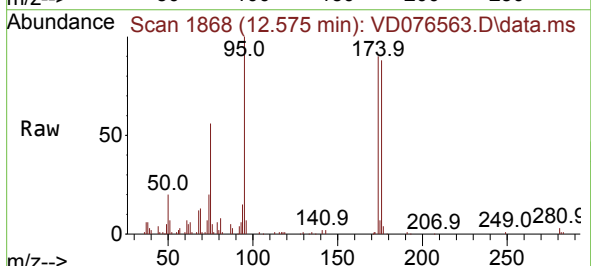
Acq: 23 Jun 2023 17:33

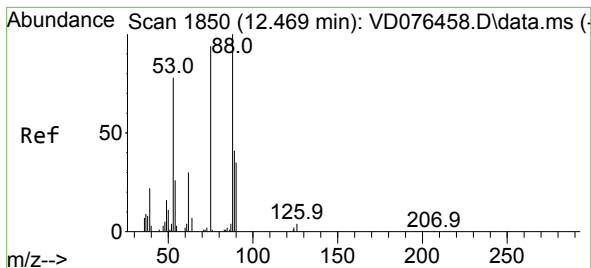
Tgt Ion: 75 Resp: 33872

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.605 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076563.D
 Acq: 23 Jun 2023 17:33

Instrument :
 MSVOA_D
 ClientSampleId :
 CF-29

Tgt Ion: 75 Resp: 33872
 Ion Ratio Lower Upper
 75 100
 53 0.2 63.0 94.4#
 89 0.0 37.9 56.9#

